

Rohit Kumar Meena

Undergraduate, Sophomore
BTech (4 yrs)
Mathematics and Computing
Indian Institute Of Technology, Patna

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EDUCATION

- **Indian Institute of Technology, Patna** 2028
B.Tech, Mathematics and Computing, CPI:5.63
- **Madhav Bal Sr.Sec.School,Karauli,Rajasthan** 2024
Rajasthan Board of Secondary Education, 89.8%

PROJECTS

- **Tewtr** Source Code
TypeScript, GenAI
 - Tools & technologies used: Built a multi-agent AI pipeline integrating **LLaMA 4 Maverick (VLM)**, **GPT-OSS 120B (LLM)** to convert PDFs into structured, context-aware educational content
 - Designed a sliding-window inference system (3-page context), reducing document processing latency from 30 min to 12 sec while preserving contextual coherence
 - Optimized high-throughput inference using SambaNova (600+ tokens/sec), achieving up to 5× faster processing with improved cost-performance efficiency in document reasoning tasks
- **DBMS Benchmark System: Tinysql** Simulator link
Python, Flask, HTML, CSS, JavaScript
 - Tech Stack: Python, Flask, HTML, CSS, JavaScript, Data Structures (Hash Table, B+ Tree)
 - Developed a custom database engine supporting Sequential Storage, Hash Indexing, and B+ Tree Indexing for efficient record management
 - Implemented Insert, Search, and Delete operations with disk-based page management and benchmarking support.
 - Built a web-based dashboard using Flask, HTML, CSS, and JavaScript to compare performance metrics such as execution time, disk reads, and file size.
 - Designed a custom Pager system for page-level storage and I/O tracking.
 - Implemented Hash Table with Linear Probing and B+ Tree indexing to analyze different database access methods.
- **Weather Dashboard Pro** Simulator link
HTML, CSS, JavaScript
 - Built a responsive weather application that displays real-time weather information for any city.
 - Integrated Weather API to fetch temperature, humidity, wind speed, and weather conditions.
 - Implemented Dark Mode, local storage, and loading animations for enhanced user experience.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C++, C, JavaScript,Html,css
AI/ML Frameworks and Libraries: PyTorch, TensorFlow, Scikit-Learn, Pandas, Numpy, Matplotlib
Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Docker
Databases: MySQL, PostgreSQL
Core AI/ML Concepts: Machine Learning, Neural Networks
Dev Skills: ReactJs, NextJs,
Areas of Interest: Generative AI, LLM Engineering, Machine Learning, AI Agents, Artificial Intelligence

ACHIEVEMENTS

- Codeforces Rating: 900+ | Solved 150+ DSA problems (LeetCode, Codeforces)
- Deloitte Technology Job Simulation (Forage , june 2026)
- Deloitte Data Analytics Job Simulation (Forage , june 2026)
- Wells Fargo Software Engineering Job Simulation (Forage , june 2026)